

To: McComb, Martin[McComb.Martin@epa.gov]; Delgado, Eric[Delgado.Eric@epa.gov]; Nattis, Randy[Nattis.Randy@epa.gov]; Schaefer, Joe[Schaefer.Joe@epa.gov]; Wenning, Stephanie[Wenning.Stephanie@epa.gov]
From: Burgo, Daniel
Sent: Tue 8/18/2015 2:04:12 PM
Subject: RE: GIS coordinates for Colorado Gold King Mine Release

It's never ending.

OSC Dan Burgo
U.S. Environmental Protection Agency
5 Post Office Square
Suite 100 (OSRR02-2)
Boston, MA 02109

(617) 918-1052 Desk
(617) 918-0052 Fax

From: McComb, Martin
Sent: Tuesday, August 18, 2015 7:55 AM
To: Delgado, Eric; Nattis, Randy; Schaefer, Joe; Burgo, Daniel; Wenning, Stephanie
Subject: Fwd: GIS coordinates for Colorado Gold King Mine Release

The fun continues...

Sent from my iPhone

Begin forwarded message:

From: "McComb, Martin" <McComb.Martin@epa.gov>
Date: August 18, 2015 at 7:53:56 AM MDT
To: "Spence, Sandra" <Spence.Sandra@epa.gov>
Cc: "Hestmark, Martin" <Hestmark.Martin@epa.gov>, "Ostrander, David" <Ostrander.David@epa.gov>, "Stavnes, Sandra" <Stavnes.Sandra@epa.gov>, "Garcia, Bert" <Garcia.Bert@epa.gov>, "Wharton, Steve" <Wharton.Steve@epa.gov>
Subject: Re: GIS coordinates for Colorado Gold King Mine Release

Not working with me nor the Data Team OSCs who are now working the response.

My understanding is that OEM and Area Command worked out their differences on our

own similar tool (viewer) and that it will be opened to public this am on EPA.gov.

M

Sent from my iPhone

On Aug 18, 2015, at 7:45 AM, Spence, Sandra <Spence.Sandra@epa.gov> wrote:

Hey Bert, could you check in with Tom Wall? Maybe he has a mission assignment.
Marty, are these guys working with you?

Sent from my iPhone

On Aug 18, 2015, at 7:42 AM, Hestmark, Martin <Hestmark.Martin@epa.gov> wrote:

Lets make sure we know why they are doing what they are doing. This needs to be a practical outcome.

From: Spence, Sandra
Sent: Tuesday, August 18, 2015 7:30 AM
To: Ostrander, David; Hestmark, Martin; Stavnes, Sandra; Garcia, Bert; McComb, Martin; Wharton, Steve
Subject: Fwd: GIS coordinates for Colorado Gold King Mine Release

Fyi...HQ activities that you should know about in OW

Sent from my iPhone

Begin forwarded message:

From: "Wall, Tom" <Wall.Tom@epa.gov>
To: "Kopocis, Ken" <Kopocis.Ken@epa.gov>
Cc: "Best-Wong, Benita" <Best-Wong.Benita@epa.gov>, "Evans, David" <Evans.David@epa.gov>, "Holdsworth, Susan" <Holdsworth.Susan@epa.gov>, "Young, Dwane" <Young.Dwane@epa.gov>, "Garcia, Bert" <Garcia.Bert@epa.gov>, "Spence, Sandra" <Spence.Sandra@epa.gov>, "Goldbloom-Helzner, David" <Goldbloom-Helzner.David@epa.gov>, "Pickard, Brian" <Pickard.Brian@epa.gov>, "Tingley, Kevin" <Tingley.Kevin@epa.gov>

Subject: FW: GIS coordinates for Colorado Gold King Mine Release

Ken, here is baseline data we've pulled together and will review, can share with states

Sent from my Windows Phone

From: Young, Dwane<<mailto:Young.Dwane@epa.gov>>
Sent: 8/18/2015 8:47 AM
To: Wall, Tom<<mailto:Wall.Tom@epa.gov>>; Holdsworth, Susan<<mailto:Holdsworth.Susan@epa.gov>>; Havard, James<<mailto:Havard.James@epa.gov>>; Monschein, Eric<<mailto:Monschein.Eric@epa.gov>>; Norton, Douglas<<mailto:Norton.Douglas@epa.gov>>
Cc: Hall, Lynda<<mailto:Hall.Lynda@epa.gov>>; Christian, Kevin<<mailto:Christian.Kevin@epa.gov>>; Shumway, Laura<<mailto:Shumway.Laura@epa.gov>>; Reid, Wendy<<mailto:Reid.Wendy@epa.gov>>; Reems, Shera<<mailto:Reems.Shera@epa.gov>>; Dewald, Tommy<<mailto:Dewald.Tommy@epa.gov>>
Subject: RE: GIS coordinates for Colorado Gold King Mine Release

I've pulled all of the baseline data for metals, TDS, TSS, pH, and DO into an ArcGIS Online Map. It's pulling data directly from the water quality portal (so it has USGS data as well and it has the most current data that we have).

I've pulled data from the four 8 digit hucs that flow downstream from the spill all the way to Lake Powell. Right now, I'm including all stations (including wells and springs). We could certainly limit it to just those stations that are on the mainstem or within the drainage area of the mainstem.

Right now, this map is shared internally with just EPA, but you can access it using your LAN password.

Here's the link to the map: <http://arcg.is/1hljI6I>

I'm also attaching our SP-14b analysis tool which may have some usefulness here. We built this for the tribes to use to analyze SP-14b. However, it allows you to grab data from the portal and graph selected parameters. It also develops basic statistics for those parameters. It can generate maps as well, but you need to have Google Earth or ArcGIS Explorer installed to open the maps. I've preloaded it with the stations from the Animas Watershed, but it allows you to grab data from anywhere. It also is pulling data directly from the Water Quality Portal.

Lastly, we have a data discovery tool for the water quality portal that we

haven't yet published that provides even more capability. It's written in R, and we could share it with anybody who's interested. We're classifying it as 'version 0' meaning that it's still beta, but it does have some pretty neat capability in regards to discovering what data are currently out there.

One final thought, all of the above capability could also be used for the data that are being collected now by the emergency responders. All they'd need to do is give us the data and we could upload it into WQX for them. Once it's there, all of these tools would then be able to display the data. We could even build specific interfaces to just show the new data.

Dwane Young
U.S. EPA Office of Water
Assessment Watershed Protection Division
Phone: 202-566-1214
Email: young.dwane@epa.gov<<mailto:young.dwane@epa.gov>>

From: Wall, Tom
Sent: Monday, August 17, 2015 6:47 PM
To: Holdsworth, Susan; Young, Dwane; Havard, James; Monschein, Eric; Norton, Douglas
Cc: Hall, Lynda
Subject: GIS coordinates for Colorado Gold King Mine Release

I'll forward to Doug the watershed planning docs Region 8 just sent us. I'm not sure what more we'll need to do on watershed planning right now.

From: Goldbloom-Helzner, David On Behalf Of EOC Water
Sent: Monday, August 17, 2015 4:42 PM
To: Wall, Tom
Cc: Pickard, Brian; EOC Water
Subject: Re: Watershed Planning for Colorado Gold King Mine Release

Hi Tom,

It was good talking with you this afternoon. Thanks for agreeing to participate in the watershed planning conversations/efforts related to the Colorado Gold King Mine release. As requested, the geospatial coordinates of the spill is:

Lat 37 degrees 53' 40"

Long 107 degrees 38' 18"

The closest town is Silverton CO.

The group that initially discussed longer term recovery efforts (watershed planning) on August 17 at 10 morning included Dana Tulis (OEM), OW (Ken Kopocis), ORD (Tom Burke/others), and OEM (Reggie Cheatham). At the end of the brainstorming session, they decided to collect various data to see what we want to do next. They suggested getting together again in 48 hours (presumably on Wed). I've requested that you and my Team Lead (Brian Pickard) be added to any subsequent invite list to discuss watershed planning and STORET data. No invitation has been sent yet.

David

From: Wall, Tom
Sent: Monday, August 17, 2015 3:32 PM
To: EOC Water
Subject: RE: Watershed Planning for Colorado Gold King Mine Release

Saw you just called, on a conference call. Can I call you at 4pm?

Tom Wall, Director

Assessment and Watershed Protection Division

Office of Wetlands, Oceans and Watersheds

U.S. EPA

Wall.tom@epa.gov<<mailto:Wall.tom@epa.gov>>

202/564-4179

From: Goldbloom-Helzner, David On Behalf Of EOC Water
Sent: Monday, August 17, 2015 1:32 PM
To: Wall, Tom
Subject: Watershed Planning for Colorado Gold King Mine Release

Hi Tom,

I got your name from Dave Evans. I'm staffing the Water Desk in EPA's Emergency Operations Center to address water issues associated with the Colorado Gold King Mine release. Even as the response continues, we are beginning to think about longer terms concerns for the entire watershed. The effort has senior level attention and I just participated in a meeting with Ken Kopocis on the subject. We have a few to dos over the next day or two so maybe we can arrange a time to talk, perhaps with you and your staff. One of the topics is about getting STORET data for the river areas.

David Goldbloom-Helzner

(202) 250-8920 at Water Desk on Aug 17, 20, and 21

(202) 365-3588 (cell)